MAJOR AWARDS

10 DECEMBER 1975

3

Approved For Release 2003/03/10 CIA-RDP80-00833A000100030001-1

25X1A

	TAB	NO.	SUBJECT
 i	В	75-462	Time Delay Modification for the SELCAL Model 131
-	С	SA-24	Special Achievement Award Nomination for DDI/ OSR 25X1A
	D	SA-32	Special Achievement Award Nomination for DDA/OTR 25X1A
=	E	74-436	Rechargeable Battery Supply for Use With Collins 651S-1 Keep-Alive Circuit
· ·	F	75-440	Reduction of Form 2216 Distribution from 18 to 9 copies and Automation of Daily DCN-LCN Cross Reference Register

7. Adjournment

^{*}CODEWORD case to be distributed at the Committee Meeting.

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SUGGESTION AND ACHIEVEMENT AWARDS COMMITTEE MINUTES

16 September 1975

On Tuesday, 16 September 1975 at 0915, Mr. F. W. M. Janney, Chairman, chaired the regular meeting of the Suggestion and Achievement Awards Committee in 5E 62, Headquarters. The following were present:

25X1A 25X1A 	мемвекѕ	Office of the Director Directorate of Intelligence Directorate of Administration Directorate of Science and Technology
ngari end	ALTERNATE	Directorate of Operations
25X1A	SECURITY ADVISOR	Office of Security
25X1A -	SAAC - Administrative	Executive Secretary Incentive Awards Officer

MINUTES

The minutes of the 25 June 1975 Meeting were approved as written.

REPORT

Since the 25 June 1975 Meeting, 113 suggestions have been received. One hundred (100) 88.5% were eligible and 13 ineligible. The Executive Secretary closed 84 cases. Ten (10) Special Achievement Award nominations and two (2) Exceptional Accomplishment Award nominations have been received since the last meeting.

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ACTION	The Commitated below:	ttee took the following action	on the cases
-44	NO.	SUBJECT	ACTION
25X1A 25X1A 25X1A 25X1A	71-289	Computerization of Combined Federal Campaign Contributions	\$1,200 award, equally shared by based on annual savings of \$7,943 (\$450), plus SUB-STANTIAL/GENERAL intangible benefits (\$750). Certificate of Appreciation and \$150 award to Mr. tor his efforts in pushing the project to fit within the new Automated Payroll
	75-274	Modification to Increase the Life of Readout Tubes in Collins 651-S Receivers	\$700 award based on combined annual tangible savings of \$10,245 (\$560), plus intangible benefits of MODERATE/BROAD (\$140).
	75-352	Summer Intern and Co-op Employees Reimbursement of Travel Expenses	\$400 award based on annual savings of \$1,641 (\$135), plus SUBSTANTIAL/BROAD intangible benefits.
نسن	SA-21	Staff Trainee Assign- ment Matrix Program	\$450 Special Achieve- ment Award based on tangible savings of \$6,350 (\$360), plus SUBSTANTIAL/LIMITED intangible benefits (\$90).

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; **	NO.	SUBJECT	ACTION
al	SA-22	Contributions to OTS	Deferred. Committee concluded that a promotion action would seem to be more appropriate in this case. Chairman, SAAC to discuss the possibility of a promotion with the Deputy Director for Science and Technology in lieu of a Special Achievement Award.
	SA-26	Polish Linguistic Achievements	\$850 Special Achieve- ment Award based on annual tangible savings of \$8,900 (\$395), plus SUB- STANTIAL/GENERAL intangible benefits (\$465).
25X1A	SA-28	Salvage of Personal Effects	Recommended a \$2,400 Special Achievement Award, equally shared, based on estimated claims cost avoidance of \$300,000 (\$1,400), plus EXCEPTIONAL/ EXTENDED intangible benefits (\$1,000).
JOURNMEN	The meeti	ng was adjourned at 0940.	
	Su	Executive Secretary aggestion and Achievement Award	ds Committee

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ADDENDUM TO THE SUGGESTION AND ACHIEVEMENT AWARDS COMMITTEE MEETING OF 16 SEPTEMBER 1975 FOR SPECIAL ACHIEVEMENT NO. 22

The Committee unanimously decided to defer award action until Mr. Janney could discuss the promotion possibility with DD/S&T officials. Attached is the S&T response which was forwarded to the Committee Members for their vote on the \$1,000 original award recommendation. Those concurring in the award: DD/S&T Committee Member, DD/I Committee Member; DD/A Committee Member and DD/O Alternate Committee Member. The DCI Committee Member abstained and recommended that the case be held for further discussion at the next SAAC Meeting.

STATINTL

After review of the Committee Members votes and comments, Mr. Janney concluded that the award should be processed at this time. He too, thought that a promotion would be more appropriate, but since OTS had been asked about it twice and did not want to do it, the case should not be delayed further.

V	

28 CCT 1975

Date

Att

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					DDS&T 3	8826-75		
					185	EP 1975	STATI	NTI
	MEMORANDUM FOR	R: Direct	or of Personnel				STATI	NTL
	SUBJECT	: Recomme	endation by the Special Achiever	Office of ment Award	Technical for	Service		•
	~ 14	1	4.		1	ما د اد السمدي	STATI	NTL
J	into the quest the opinion of to cover situa- ible for a QSI future) and ca- present time, be used to re- return the rec-	Chief, tion of the feveryone ations like I (she is annot be possible OTS felt cognize he commendati	eservations cone OTS Personnel. is award with the concerned that e scheduled to re- romoted because that the CIA Sport r service. Con- on to you and the in its present	Paul indiche people and ceive step she is a cecial Achie sequently, hat the Con	at OTS and 10 in the one grade evement An Paul aske	nad gone d it was was meant is not elig- e near PRA at the ward could ed that I	STATI STATI STATI	NTL
					Personne1			
					DD	S&T		

SUMMARY AND RECOMMENDATIONS FOR THE COMMITTEE

25X1A

SUGGESTION NO. 74-187: dated 15 November 1973

GS-10 (now GS-11)
Equipment Specialist - Mechanical
Directorate of Science and
Technology/NPIC

25X1A

A. Summary of Suggestion

Attached is the suggester's description of problems that had been encountered with the stereoscope mounting bridge on the MLT 1540 Light Table and his solutions, including photographs.

B. Evaluations

25X1A

optical bridge was the culmination of several years of work, both in ______ and by private contractors, to solve serious vibration and focus problems affecting the efficient use of light tables and optics. During the 1965-70 period, NPIC/Technical Services Group studied such vibration problems. The attempted solutions were "quick fixes" designed to relieve the worst problems.

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-	•		•	
25X1	25X1A	[8. NPIC concluded that the bridge designed by is a highly beneficial improvement to the single most important piece of PI exploitation equipment and in other PI units throughout the PI Community. It will be the single most important	
25X1			piece of PI equipment for at least five years and probably longer. The old bridge had a total focusing error of .062 inches and	25
25X1A			could vary greatly even within a single room. With bridge there is no objectionable or bothersome image movement when the Zoom 240 optics are viewed at the highest magnification possible—even in the most shaky parts of The improvement enhances the PI's concentration, efficiency, etc., and lowers fatigue. NPIC rated intangible benefits HIGH/GENERAL.	25
		С.	Recommendation by the Committee	
25X1A	•		1. Not line of duty. The idea and solution to reduce focusing error was a highly significant improvement not expected from a technician. The portion of the suggestion dealing with the vibration reduction was a cumulative effort obtained from prior NPIC studies, manufacturers attempts at finding a solution, and expertise. was the person who pulled all the facts together to come up with an acceptable solution to the vibration problem.	25X
æi			2. \$2,800 award based on a cost avoidance of \$24,500 (\$825), plus HIGH/GENERAL intangible benefits (\$1,975).	-
-			F. W. M. Janney Chairman Suggestion and Achievement Awards Committee	
 2!	5X1A	Att		
**************************************			case is reviewed to answer any questions.	

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Suggestion 74-187 (N 049-4)

PROBLEMS

The present stereoscope mounting bridge on the MLT-1540 light table is inadequate for the optical power being used. The problems with this bridge are response to building vibration, parallelism error, and collimation error. The current bridge is constructed of aluminum and uses ball bearing cabinet slides for X-Y movement capability.

The 1540 parallelism specification is that the distance between the optics mount and the glass surface shall not vary more than .015 inches. The majority of the tables are between .010 and .015 inches. The 1540 specification on collimation is that the optics mount must be parallel to the glass surface within plus or minus 5 minutes of angle, for a total of 10 minutes. The majority of the tables are between 7 and 10 minutes. is no specification for vibration succeptability. When the 2X objective is used on the 240 stereoscope/Mod 28 rhomboid the focusing capability is .056 inches. The total error of the average table is .042 inches plus rhomboid arm swing error of about .020 inches for a total system error of .062 inches. These figures show that focusing is impossible in many rhomboid arm positions and frequent focusing is required when traversing the scope in any rhomboid arm position. The vibration in the AIL bridge with the 240 scope makes it difficult to fully utilize the high resolution imagery at the current 60X magnification and impossible with the new 120X magnification capability we will get next year.

SOLUTIONS

My idea is to use a stronger beam for the bridge and a smoother, more accurate bearing system for stereoscope translation. Accordingly, I designed, installed, and aligned a rectangular steel tube beam with ball bearing "V"

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Suggestion 74-187 (N 049-4)

rails and cam followers for X-Y translation.

I used a cold rolled steel 2" X 4" beam for vibration strength and machining accuracy. The beam was ground flat on top and bottom to give good parallel smooth surfaces for good collimation and parallelism. I used steel "V" rails with ball bearings to give smooth flat movement in the Y direction. For the X direction I used Sterret flat ground steel rails and cam followers to give a solid 3 point suspension for the scope mount to improve collimation.

The advantages to this system are greatly improved parallelism (.003" vs .015") and collimation 1 minute of angle vs 10 minutes of angle. With these figures the total error of the table is .008".

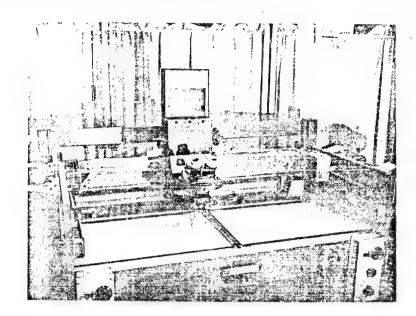
This figure, combined with the arm swing error, is .028" easily accommodated by scope focusing capability. The .008" also means a scope traverse of about 10 inches without refocusing.

As to vibration on my bridge there was no objectionable image movement at 120% with the table in the most shakey parts of the building.

Two light table manufacturers have estimated cost of this modified bridge to be approximately \$500 per table. This would mean about \$150,000 to eliminate focus and vibration problems in the MLT 1540 light table - Zoom 240R stereoscope systems.

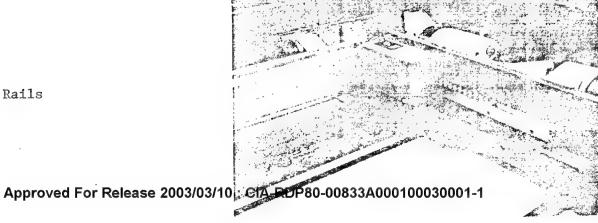
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Cam Followers

"V" Rails



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SUMMARY AND RECOMMENDATIONS FOR THE COMMITTEE

25X1A

25X1A

SUGGESTION NO. 75-462: dated 23 May 1975
GS-11
Electronic Specialist

Directorate of Administration/OC

A. Summary of Suggestion

1. Background

Circuitry was added to the SELCAL (Selective Calling) Model 131 to prevent false triggering; however, it proved inadequate. False activation (triggering) of the unit occurred randomly when AC power was momentarily switched on or off. Specifically, when changing from emergency (generator) power to commercial and when instantaneous power "dips" occurred.

2. Suggestion

Insert an AC time delay in the AC power line of the SELCAL Model 131 to disconnect the power, allowing time for the circuitry to fully discharge before power is restored. The modification prevents false triggering and allows automatic restoration of equipment power. (Modification Work Order 186-1 is attached).

B. Evaluation

1. OC said that a total of 130 modification kits have been requisitioned - 65 for use on the SELCAL Systems World-Wide and 65 for use with typewriters, burglar alarm systems and other voltage sensitive equipment. The modification will reduce overtime substantially. The average grade of the communicators who are expected to respond to after-hour recall by SELCAL activation is GS-9/8 or \$11.99 per hour. Assuming that the modification eliminates one false operation per month for each of the 65 systems (each false operation equates to two (2) man-hours of operator overtime), annual man-hour savings would be

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1,560 or a gross cost avoidance of \$18,704. The cost of the materials for each modification is \$50.09. The cost of a technician's time for each modification (GS-10/9 at 15 minutes) is \$2.26. Thus, modification of each of the 65 installed systems cost \$52.35 or a total of \$3,403 for all the systems. The net first-year cost avoidance is \$15,301.
2. OC rated intangible benefits SUBSTANTIAL/EXTENDED at the \$200 level for application to equipment other than the SELCAL.
Recommendation of Executive Secretary
1. Not line of duty. This type modification would basically be expected of an OC engineer, and not an Electronic Specialist such as
2. \$875 award based on annual savings of \$15,301 (\$685), plus SUBSTANTIAL/EXTENDED intangible benefits (\$190).
Decision of the Committee
Approved #875 Award

Disapproved 10 DEC. 1975 Date

Att MWO 186-1

С.

D.

25X1A

y	R	OUTIN	G AND	RECOR	D SHEET	
BJECT: (Optional)						
FROM: EXECUTIVE SECRETAL SUGGESTION AND ACC AWARDS COMMITTEE	HIEVEME	NT		EXTENSION	NO. DATE	
5-E-54, HEADQUART		Γ		<u> </u>	4 December 1975	25>
TO: (Officer designation, room numb building)	er, and	RECEIVED	FORWARDED	OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)	
1. Mr. F. W. M. Ja 5E 58 Headquart					Attached is the AGENDA for the Suggestion and Achieve-	
2.					ment Awards Committee Meeting on Wednesday, 10 December 1975 at 0930 in 5E 62 Head-	
3.					quarters.	25>
4.						·
5.						
5.					Mr. Janney:	
7.					the NPIC Panel coming during the Committee's review of the first	25>
8.					two cases on the Agenda. Will distribute the first case at the beginning of the Meeting.	
9.					Re TAB E, the Cmte acted upon a cash award for the officer	TSF
10.					in March 1975 and a Certificate for the Office of Communications specialist. However, before	
11.					presenting the Certificate, OC discovered other factors that now appear to warrant cash considera-	
12.					tion for their careerist. If you perceive any problems with this case I'll arrange to have the	
13.					appropriate OC technical officer come at about the time we'd be ready for this case.	
14.					ready for with case.	
To the major that I was entranced and the second	1 - 2 - 3 - 1				- J. K.	